REMARKS

This Response is in reply to the Office Action mailed on October 6, 2005. Claims 1-3 are

pending and claim 1 has been amended herein. No new matter has been added. Entry and

consideration of the amendments and following remarks is respectfully requested.

Claims 1-3 stand rejected under 35 U.S.C. §103(a) over Flower et al. (U.S. Patent Pub. No.

2002/0185348) in view of Jankovsky (U.S. Patent No. 4,442,870). The rejection is respectfully

traversed.

Briefly, a linear damper according to the present invention comprises a casing and a slider

inserted into the casing. The slider moves relative to the casing and has a working portion. A

damping groove is provided in one of the casing and the slider having tapering faces formed on the

side faces of the damping groove and inclined to taper an inner width of the damping groove in one

of a depth direction and an opening direction. A damping portion is provided in the other of the

casing and the slider to be fitted in the damping groove with allowance for a sliding movement and

having tapering faces facing the tapering faces of the damping groove. A conversion mechanism is

provided for producing a force pressing the damping portion in a direction tapering the inner width

of the damping groove when a force is applied to the working portion to move the slider in the axis

direction.

Claim 1 was amended to include that the damper portion is structured and arranged to be

engaged in the damping groove when the damping portion is pressed in a direction of the tapering

inner width of the damping groove to provide a wedge effect. An important part of the present

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invention is that the damping portion is engaged in the damping groove to provide a wedge effect,

thereby generating a larger damping force. The amendment to claim 1 more clearly recites this

aspect.

Neither of the cited references, either alone or in combination, teach or suggest a damping

portion engaged in a damping groove so as to exert a damping force. As already stated by the

Examiner, the Flower reference does not disclose a tapered damping groove. It is applicant's

contention that the Jankovsky reference also fails to disclose the structure according to the present

invention. The receiving member 20 of the Jankovsky reference is not engaged in the brake shoes

25 and 26, as illustrated in Fig. 6. The receiving member 20 contacts the inner surfaces of the brake

shoes when it slides. When a projectile penetrates into the receiving member 20, the receiving

member 20 is pressed against the brake shoes in order to exert a damping force. However, the

receiving member is not engaged in the brake shoes to provide a wedge effect in order to generate

a damping force.

Furthermore, Figs. 7 and 8 of Jankovsky show the brake shoes with inclined faces. The

purpose of these inclined faces is to decrease the brake movement of the upper brake shoe 35 by

decreasing the area between the break shoes. Therefore, the inclined faces completely differ from

the tapered face formed on a damping groove or a damping portion of the present invention which

taper at right angles to the axis of the damping groove and damping portion. Accordingly, it is

respectfully requested that the rejection of claims 1-3 be withdrawn.

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CONCLUSION

In view of the amendments to claim 1 made herein and the arguments presented above, it is

submitted that the Examiner's rejections have been overcome and should be withdrawn. The

application should now be in condition for allowance.

Should any changes to the claims and/or specification be deemed necessary to place the

application in condition for allowance, the Examiner is respectfully requested to contact the

undersigned to discuss the same.

This Response is being timely filed. In the event that any other extensions and/or fees are

required for the entry of this Amendment, the Patent and Trademark Office is specifically authorized

to charge such fee to Deposit Account No. 50-0518 in the name of Steinberg & Raskin, P.C. An

early and favorable action on the merits is earnestly solicited.

Respectfully submitted,

STEINBERG & RASKIN, P.C.

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